
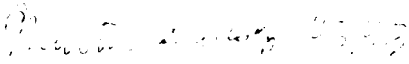


FORM PTO-1390 (Modified) (REV 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <div style="font-size: 1.2em; font-weight: bold;">025835-0104</div>			
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>							
		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) <div style="font-weight: bold;">10/088,920</div>					
INTERNATIONAL APPLICATION NO. <div style="font-weight: bold;">PCT/JP01/06619</div>		INTERNATIONAL FILING DATE <div style="font-weight: bold;">08/01/2001</div>		PRIORITY DATE CLAIMED <div style="font-weight: bold;">08/01/2000</div>			
TITLE OF INVENTION <div style="font-weight: bold;">NOVEL CARBONYL REDUCTASE, GENE THEREOF AND METHOD OF USING THE SAME</div>							
APPLICANT(S) FOR DO/EO/US <div style="font-weight: bold;">Noriyuki KIZAKI, Yoshihiko YASOHARA, and Junzo HASEGAWA</div>							
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:							
<div style="display: flex; flex-direction: column;"> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">1.</div> <div> <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">2.</div> <div> <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">3.</div> <div> <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">4.</div> <div> <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">5.</div> <div> <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <div style="margin-left: 10px;"> <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).  <input type="checkbox"/> has been transmitted by the International Bureau.  <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)             </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">6.</div> <div> <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">7.</div> <div> <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <div style="margin-left: 10px;"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).  <input type="checkbox"/> have been transmitted by the International Bureau.  <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.  <input type="checkbox"/> have not been made and will not be made.             </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">8.</div> <div> <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">9.</div> <div> <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">10.</div> <div> <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).           </div> </div> <div style="margin-bottom: 10px;"> <div style="display: flex; align-items: flex-start;"> <div style="width: 30px; text-align: right; margin-right: 10px;">11.</div> <div> <input type="checkbox"/> Applicant claims small entity status under 37 CFR 1.27.           </div> </div> </div> </div> </div></div></div></div></div></div></div></div></div></div></div></div>						Items 12. to 17. below concern other document(s) or information included:	
12. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98, Form PTO/SB/08 and copy of International Search Report.							
13. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.							
14. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.							
15. <input type="checkbox"/> A substitute specification.							
16. <input type="checkbox"/> A change of power of attorney and/or address letter.							
17. <input checked="" type="checkbox"/> Other items or information: Response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (1 page); Statement to Support Filing and Submission in Accordance with 37 CFR §§ 1.821-1.825 (2 pages); Sequence Listing (6 pages); Computer Readable Format (CRF) of Sequence Listing; Amendment in Response to Notice under 37 CFR §§ 1.821 - 1.825 (3 pages); Return copy of Notification of Missing Requirements (2 pages).							

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.50) 10/088,920		INTERNATIONAL APPLICATION NO. PCT/JP01/06619		ATTORNEY'S DOCKET NUMBER 025835-0104	
18. <input type="checkbox"/> The following fees are submitted:				<b>CALCULATIONS</b>	
Basic National Fee (37 CFR 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO ..... \$890.00					
International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$710.00					
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$740.00					
Neither international preliminary examination fee (37 CFR 1.482) nor International search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1,040.00					
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$100.00					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 20 Months from the earliest claimed priority date (37 CFR 1.492(e))					
Claims	Number Filed	Included in Basic Fee	Extra Claims	Rate	
Total Claims	0	20	= 0	\$18.00	\$0.00
Independent Claims	0	3	= 0	\$84.00	\$0.00
Multiple dependent claim(s) (if applicable)				\$280.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$0.00	
Reduction by 1/2 for filing by small entity, if applicable.				\$0.00	
<b>SUBTOTAL =</b>				\$0.00	
Processing fee of \$130.00 for furnishing English translation later the 20 months from the earliest claimed priority date (37 CFR 1.492(f). +					
<b>TOTAL NATIONAL FEE =</b>				\$0.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					
<b>TOTAL FEES ENCLOSED =</b>				\$0.00	
				Amount to be: refunded \$	
				charged \$	
<p>a. <input type="checkbox"/> A check in the amount of \$0.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>19-0741</u> in the amount of \$0.00 to the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0741</u>. A duplicate copy of this sheet is enclosed.</p>					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status</p>					
SEND ALL CORRESPONDENCE TO:					
<p>Foley &amp; Lardner Customer Number: 22428</p>  <p style="font-size: 1.2em; font-weight: bold;">22428</p> <p style="font-size: 0.8em;">PATENT TRADEMARK OFFICE</p>			<p>SIGNATURE </p> <p>NAME HAROLD C. WEGNER</p> <hr style="width: 100%;"/> <p>REGISTRATION NUMBER 25,258</p>		

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Noriyuki KIZAKI et al.  
Title: NOVEL CARBONYL REDUCTASE, GENE THEREFOR,  
AND METHOD OF USING THE SAME  
Appl. No.: 10/088,920  
Filing Date: 06/03/2002  
Examiner: Unassigned  
Art Unit: Unassigned

**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR  
AMINO ACID SEQUENCE DISCLOSURES**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements mailed on May 29, 2002, enclosed are copies of the Sequence Listing and Statement to Support Filing and Submission in accordance with 37 C.F.R. §§ 1.821-1.825. Also enclosed is a diskette containing the Sequence Listing in computer readable form and an Amendment directing entry of the sequence listing into the application.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date July 24, 2002

By \_\_\_\_\_

FOLEY & LARDNER  
Customer Number: 22428



**22428**

PATENT TRADEMARK OFFICE

Telephone: (202) 672-5407  
Facsimile: (202) 672-5399

Harold C. Wegner  
Attorney for Applicants  
Registration No. 25,258



UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PC1  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
 www.uspto.gov

U.S. APPLICATION NUMBER NO	FIRST NAMED APPLICANT	ATTY. DOCKET NO
10/088,920	Noriyuki Kizaki	025835-0104

INTERNATIONAL APPLICATION NO
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PCT/JP01/06619

I.A. FILING DATE	PRIORITY DATE
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01/08/2001

01/08/2000

 22428  
 FOLEY AND LARDNER  
 SUITE 500  
 3000 K STREET NW  
 WASHINGTON, DC 20007

CONFIRMATION NO. 8913

371 FORMALITIES LETTER



\*OC000000008162373\*

Date Mailed: 05/29/2002

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Biochemical Sequence Listing
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Preliminary Amendments
- Request for Immediate Examination

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the

requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):

- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- APPLICANT MUST PROVIDE:
  - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
  - A statement that the contents of the paper or compact disc and the computer readable form are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d).
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
  - For Rules Interpretation, call (703) 308-4216
  - To Purchase PatentIn Software, call (703) 306-2600
  - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)
- A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

LAMONT M HUNTER

Telephone: (703) 305-3686

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO	INTERNATIONAL APPLICATION NO	ATTY DOCKET NO
10/088,920	PCT/JP01/06619	025835-0104